MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

FEBRUARY 1951

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

FEBRUARY 1951

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.5	59.1	61.1	59.2	19.1	12.7	17.8	18.3	15.6	17.2
2	61.4	60.3	60.8	60.8	17.8	12.7	14.8	16.4	14.2	15.1
3	61.5	60.1	60.6	60.7	17.3	12.4	15.3	16.7	13.9	15.3
4	58.2	55.8	55.8	56.6	17.4	10.5	14.3	16.1	14.1	14.8
5	58.2	58.1	59.8	58.7	15.4	10.4	12.2	14.1	14.0	13.4
6	63.3	63.7	65.6	64.2	16.4	10.8	14.6	16 2	13.1	14.6
7	66.8	66.3	65.9	66.3	16.4	11.8	13.3	16.1	13.1	14.2
8	63.9	62.0	60.4	62.1	17.4	13.7	14.3	17.1	14.1	15.2
9	57.2	57.4	59.6	58.1	19.2	12.2	16.1	17.9	14.1	16.0
10	61.1	60.6	63.2	61.6	17.1	9.9	12.3	16.0	11.9	13.4
11	64.4	64.0	63.8	64.1	16.1	10.6	12.7	15.4	12.1	13.4
12	63.3	63.3	65.6	64.1	15.9	10.6	12.6	15.7	12.1	13.5
13	67.5	66.4	67.3	67.1	17.2	12.2	13.8	16.7	13.3	14.6
14	67.8	66.6	67.1	67.2	17.3	11.4	14.7	17.1	13.6	15.1
15	66.7	65.2	65.5	65.8	17.4	11.9	14.3	17.4	13.5	15.1
16	65.6	64 3	64.2	64.7	16.8	11.7	14.1	12.8	12.8	13.2
17	63.0	60.8	61.9	61.9	20.0	12.7	14.2	18.1	12.8	15.0
18	57.2	57.7	57.8	57.6	18.5	11.0	18.3	16.4	15.7	16.8
19	58.7	60.4	61.1	60.1	16.0	11.4	11.1	15.6	13.3	13.3
20	61.8	61.4	62.3	61.8	17.6	13.4	13.9	16.7	15.6	15.4
21	63.4	63.0	64.1	63.5	18.3	12.2	16.2	17.8	13.9	16.0
22	66.0	63.4	66.6	65.3	18.6	12.1	15.0	18.3	13.8	15.7
23	66.2	65.0	65.2	65.5	18.0	11.6	14.9	17.8	13.5	15.4
24	64.8	64.0	64.4	64.4	18.8	13.4	14.8	18.6	13.3	15.6
25	65.0	64.1	64.6	64.6	18.1	12.8	16.5	17.8	15.4	16.6
26	65.3	64.6	65.2	65.0	18.1	13.4	15.2	17.8	15.6	16.2
27	64.2	63.0	62.6	63.3	18.8	13.1	16.0	18.8	15.3	16.7
28	61.9	60.1	59.6	60.5	19.7	14.0	16.1	19.4	16.3	17.3
29										
30										
31										
	62.92	62.17	62.92	62.67	17.67	12.02	14.62	16.90	13.93	15.15

Barometer, range for month 767.8 mm. — 755.8 mm.

,, 71-yr. average for month 761.982 mm.

Thermometer, range for month 20.0°C −9.9°C

,, 71-yr. average for month 14.29°C.

Rain total for month 78.24 mm.

,, 71-yrs average for month 157.75 mm.

,, Tolal, Sept. 1st. to end of month 571.76 mm.

,, 71-yr. average, Sept. 1st. to end of month 722.30 mm

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	11.3	14.2	12.5	12.7	56	67	71	65	5.3	306.0	
2	10.0	12.8	12.2	11.7	59	69	76	68	6.3	283.0	
3	11.6	12.1	11.5	11.7	67	67	72	69	8.1	187.0	
4	10.1	11.9	8.8	10.3	62	65	55	61	2.8	278.0	
5	11.3	11.7	11.1	11.4	80	73	70	74	7.1	254.0	3.30
6	10.1	11.0	9.6	10.2	60	60	64	61	7.8	327.0	9.65
7	7.8	9.4	9.4	8.9	51	51	63	55	9.8	180.0	
8	9.1	9.3	9.2	9.2	56	47	57	53	9.7	158.0	
9	12.1	8.0	9.1	9.7	66	39	57	54	3.1	402.0	
10	10.5	12.3	8.9	10.6	74	67	63	68	5.3	259.0	0.25
11	10.3	12.8	10.8	11.3	70	72	76	73	3.8	193.0	1.27
12	9.9	9.9	9.2	9.7	68	57	65	63	6.5	183.0	
13	9.6	10.6	10.0	10.1	59	56	65	60	7.8	145 0	
14	7.0	11.0	9.6	9.2	41	57	62	53	10.1	89.0	
15	8.8	11.9	11.0	10.6	54	60	72	62	8.4	97.0	
16	10.2	14.0	12.5	12.2	64	95	84	81	5.2	108.0	4.32
17	10.5	12.8	13.8	12.4	65	62	93	73	2.1	435.0	5.34
18	15.5	15.4	12.7	14.5	73	82	71	75	1.8	789.0	1.78
19	12.8	12.3	11.0	12.0	96	69	72	79	4.9	163.0	35.82
20	12.9	14.1	14.2	13.7	81	74	81	79	0.3	370.0	6.10
21	14.2	14.2	14.4	14.3	77	70	90	79	3.6	502.0	8.63
22	11.3	12.3	10.8	11.5	66	58	68	64	6.8	100.0	1.78
23	9.9	13.1	11.0	11.3	51	64	70	62	8.0	93.0	
24	11.1	14.4	10.5	12.0	71	65	69	68	9.9	270.0	
25	13.1	12.8	12.9	12.9	71	63	74	69	9.5	158.0	
26	11.7	13.2	13.1	12.7	68	65	74	69	10.2	290.0	
27	11.8	14.1	14.7	13.5	65	65	85	72	10.4	114.0	
28	13.3	15.8	16.7	15.3	73	66	90	76	10.0	84.0	
29											
30											
31											
	10.99	12.41	11.47	11.63	65.8	64.5	71.7	67.3	6.59	243.46	2.79

Height of Barometer above sea level: 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7st-cu	3st-cu	5cu-st	5.0	0	4sw	3sw	slight	W. a.m. H.
2	8ci	8ci-st	2ci	6.0	1se	2w	1se	light	H. a.m
3	1cu-ci	0	2cu	1.0	1se	1w	0	,,	
4	10cu-st	10st-cu	10st	10.0	1s	4ne	2ne	slight	
5	6cu	8cu	4cu	6.0	2se	2w	2w	slight	
6	4cu	4cu	2cu	3.3	4nw	2ne	2ne	mod.	Excellent visibility
7	2ci	0	0	0.7	2se	1ne	2se	light	,, ,,
8	7cu-ci	0	0	2.3	1e	2ne	1ne	calm	
9	10cu-st	10st-cu	2cu-st	7.3	1sw	4sw	2sw	light	
10	10st-ni	4ci-st	2ci-st	5.3	1se	3nw	2nw	light	
11	4cu-ci	8cu	4cu	5.3	1sw	2sw	1e	slight	
12	8cu-ci	2cu	0	3.3	1se	2ne	1ne	light	
13	1cu	2cu	0	1.0	1se	2nw	1se	,,	
14	1cu	2cu	0	1.0	3e	2nw	1se	,,	
15	5cu	0	4ci	3.0	1se	1nw	1ne	calm	
16	9ci-cu	9cu	8cu-ni	8.7	2se	1s	1ne	light	
17	10st	8ci-st	10ni	9.3	2sw	4sw	2sw	slight	W. at night
18	10cu-st	10cu-st	10st-ni	10.0	5sw	4sw	4sw	rough	G. ,, ,,
19	10cu-ni	5cu	7ci-cu	7.3	2s	1e	1ne	slight	
20	8cu-ni	10-ni	10cu-ni	9.3	2w	3sw	4sw	mod.	
21	7cu-ni	5cu	9ni-cu	7.3	4sw	4sw	2w	mod.	
22	8cu-st	1cu	0	3.0	1se	1w	0	slight	
23	4ci	0	3ci	2.3	1se	1w	1se	light	
24	0	0	8cu-ni	2.7	3sw	3w	2sw	,,	Tr. p.m.
25	6cu	2cu-ci	6cu-st	4.7	1w	2n	2ne	light	
26	1cu	0	0	0.3	2e	3ne	3ne	,,	
27	1ci	1ci	0	0.7	1ne	1ne	0	,,	
28	0	1ci	2ci	1.0	1ne	1ne	0	,,	D. a.m. p.m.
29									
30									
31									
				4.54					

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	2	3	11	2	6	2	1	1	28
14:30	1	8	1	0	1	7	6	4	0	28
20:30	0	9	1	5	0	6	2	1	4	28
Total	1	19	5	16	3	19	10	6	5	84

Number of days with rain 11, fog 0, thunderstorms 0, gale 1.

71 yr. av. number of days with rain during month 13.9